

CERTIFICATE OF COMPLIANCE FOR RADIOACTIVE MATERIAL PACKAGES

1.	a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. DOCKET NUMBER	d. PACKAGE IDENTIFICATION NUMBER	PAGE	PAGES
	5086	12	71-5086	USA/5086/B(U)F	1	OF 2

2. PREAMBLE

- a. This certificate is issued to certify that the package (packaging and contents) described in Item 5 below meets the applicable safety standards set forth in Title 10, Code of Federal Regulations, Part 71, "Packaging and Transportation of Radioactive Material."
- b. This certificate does not relieve the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be transported.

3. THIS CERTIFICATE IS ISSUED ON THE BASIS OF A SAFETY ANALYSIS REPORT OF THE PACKAGE DESIGN OR APPLICATION

- | | |
|---|---|
| <ol style="list-style-type: none"> a. ISSUED TO (<i>Name and Address</i>)
 BWXT, Nuclear Products Division
 P.O. Box 785
 Lynchburg, VA 24505-0785 | <ol style="list-style-type: none"> b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION
 BWXT, Nuclear Products Division application
 dated December 23, 2003. |
|---|---|

4. CONDITIONS

This certificate is conditional upon fulfilling the requirements of 10 CFR Part 71, as applicable, and the conditions specified below.

5.

(a) Packaging

(1) Model No.: UNC-2600

(2) Description

The inner container is an 11-gauge steel box with inside dimensions of 2-5/8" high x 7" wide x 96" long. The inner container is supported in a 22-1/2" ID by 102-1/2" long, 14-gauge steel drum by an insertable cage formed by nine 21-1/2" diameter by 3/8" thick steel plates, spaced approximately 12" apart, with a channel formed through the center of the plates by angle irons. The outer container closure is made with a 14-gauge drum lid with 12-gauge bolt locking ring with drop forged lugs, one of which is threaded, having a 5/8" diameter bolt.

(3) Drawings

The packaging is constructed in accordance with Thomas Gutman Consultant Drawing No. B-2600-2, Sheets 1 through 6, Rev. 3.

(b) Contents

(1) Type and form of material

Unirradiated, uranium-zirconium, fuel elements. The uranium may be enriched to any degree in the U-235 isotope.

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- (2) Maximum quantity of material per package

Up to 8.9 kilograms of U-235 per package. The ratio of the weight of U-235 to the weight of U-235 plus zirconium shall not exceed 0.074. The net weight of the contents shall not exceed 265 pounds.

- (c) Transport Index for Criticality Control (Criticality Safety Index)

Minimum transport index to be shown on
label for nuclear criticality control: 1.4

3. In addition to the requirements of Subpart G of 10 CFR Part 71:

- (a) The package must be prepared for shipment and operated in accordance with Chapter 7 of the application.
- (b) The package must be acceptance tested and maintained in accordance with Chapter 8 of the application.

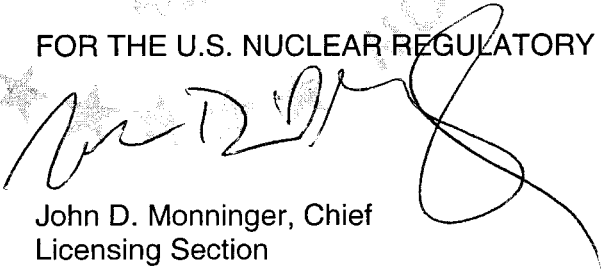
7. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR 71.12.

8. Expiration date: February 28, 2009.

REFERENCES

BWXT, Nuclear Products Division dated December 23, 2003.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION


John D. Monninger, Chief
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

Date: February 05, 2004



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION REPORT
Docket No. 71-5086
Model No. UNC-2600 Package
Certificate of Compliance No. 5086
Revision No. 12

SUMMARY

By application dated December 23, 2003, BWXT, Nuclear Products Division (BWXT) requested renewal of Certificate of Compliance No. 5086 for the Model No. UNC-2600 package. BWXT did not request any design changes to the package. The certificate has been renewed for a five year term.

EVALUATION

Minor administrative changes were made to the certificate for clarification. The certificate was revised to reflect BWXT, Nuclear Products Division as the certificate holder. The applicant modified the Safety Analysis Report (SAR) to comply with internal requirements for the release of information. The company name change was also reflected in the SAR.

Condition No. 5.(c) of the certificate was revised to clarify that the Transport Index for criticality control is the same as the Criticality Safety Index as defined in the International Atomic Energy Agency Regulation for the Safe Transport of Radioactive Material (TS-R-1).

BWXT requested renewal of Certificate of Compliance No. 5086 for the Model No. UNC-2600 shipping package by application dated December 23, 2003. BWXT did not request any design changes to the package. The staff reviewed the documents referenced in the certificate and determined that the required documentation was available and complete.

CONCLUSION

The certificate has been renewed for a five year term that expires on February 28, 2009. This change does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 5086, Revision No. 12,
on February 05, 2004.